

WHAT IS CLAIMED IS:

Sub C17

1. A digital broadcasting receiver comprising:  
a transport unit for separating/dividing a digital  
broadcasting signal that has been subjected to demodulation in  
5 order to output the separated/divided digital broadcasting signal  
toward a decoder;

a broadcast detecting unit for detecting one of one-  
channel broadcasting and multi-channel broadcasting according to  
a packet ID which is included in the digital broadcasting signal  
10 and has been inputted to the broadcast detecting unit from said  
transport unit; and

a subchannel control unit for controlling said transport  
unit so that when a result detected by said broadcast detecting  
unit indicates the multi-channel broadcasting, a broadcasting  
15 signal including a predetermined packet ID is outputted.

2. The digital broadcasting receiver as claimed in  
claim 1, further comprising a setting unit for setting a subchannel  
to be initially displayed when the one-channel broadcasting is  
20 switched to the multi-channel broadcasting, and a recording unit  
for holding the subchannel set via said setting unit, wherein said  
subchannel control unit controls said transport unit so that when  
the result detected by said broadcast detecting unit indicates  
the multi-channel broadcasting, a broadcasting signal including  
25 a packet ID corresponding to the subchannel held in said recording

~~unit is outputted.~~

3. The digital broadcasting receiver as claimed in claim 2, wherein said subchannel control unit controls said transport unit so that when the result detected by said broadcast detecting unit indicates the multi-channel broadcasting, the broadcasting signal including the packet ID corresponding to the subchannel held in said recording unit is outputted and then controls said transport unit so that when a subchannel selection key or a channel up/down key provided in a receiver body or a remote controller is pressed, a broadcasting signal including a packet ID corresponding to a selected subchannel is outputted.

4. The digital broadcasting receiver as claimed in claim 1, wherein said subchannel control unit is arranged so that when said broadcast detecting unit indicates that the one-channel broadcasting has been switched to the multi-channel broadcasting, an OSD of the subchannel of the broadcasting signal outputted from said transport unit is made.

5. A method of controlling a digital broadcasting receiver by controlling a transport unit for separating/dividing a digital broadcasting signal that has been subjected to demodulation in order to output the separated/divided digital broadcasting signal toward a decoder, and an OSD control unit for

causing an OSD to be made by superimposing data on a broadcasting screen, said method comprising the steps of:

receiving data on a packet ID included in the digital broadcasting signal from said transport unit;

5 determining whether the digital broadcasting signal is transmitted for one-channel broadcasting or multi-channel broadcasting on the basis of the data on the packet ID;

10 instructing said transport unit to output a broadcasting signal including a predetermined packet ID when it is determined that the digital broadcasting signal is transmitted for the multi-channel broadcasting; and

instructing said OSD control unit to make an OSD of a subchannel corresponding to the packet ID.

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